IRICC Transportation Framework
Structures Core Data

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The following lists the agreed upon set of core data necessary for the Transportation Framework project.

These elements were developed consensus from the partners. Core data is data common to all participating agency datasets. Core data may not include all common data, but relative to broad scale needs.

Data Elements:

1. File Header Information: **Required values are in bold type.**
This information pertains to all information being submitted.

Note: Location coordinates will refer to the center point of the structure. Fields in bold are required for the Framework Clearinghouse.

- STRUCTURE_ID – To uniquely identify each structure. Source: Generated by Clearinghouse. Type: Integer. Size: 15
- **LOCAL_STRUCTURE_ID** – Unique ID from data source agency. Used to link framework data to agency data. Type: Character. Size: 35
- **X** - The Latitude for the structure. Type: Integer. Size: 7.
- **Y** - The Longitude for the structure. Type: Integer. Size: 7.
- Z - The elevation above mean sea level for the structure. Type: Integer. Size: 4.
- **SOURCE_INFORMATION** - General information as to the source of the data. Type: Alpha. Size: 240 characters.
- ROUTE_FRAMEWORK_ID - To designate which route a structure is on. Route_Framework_ID is a system generated unique permanent identifier. As records are submitted to the Framework Clearinghouse a lookup based on supplied Local_Route_ID and Source will provide the unique ID. This ID may then be used by participants in sharing data across ownerships. Type: Integer. Size: 7 characters.
- **LOCAL_ROUTE_ID** - The unique ID which the contributing agency has assigned to the route. Type Alpha. Size: 50 characters.
- **ARM** – Accumulated Route Measurement. The milepost where the structure is located on the route. Route mile accumulated from the beginning of a route in the direction of a roadwayType: Real. Size: 999.99 (Where does this start?).
- **STRUCTURE_CLASS** - Designation for the general type of structure (Valid: culvert, bridge, ford or road blockage). Type: Alpha. Size: 25.
- **OWNED** - Jurisdictional level of owner of facility (see code list) (i.e. Federal). Type: Alpha. Size: 1

- **OWNER** - Jurisdictional classification or name of facility owner (see code list) (i.e. Forest Service). Type: Alpha. Size: 35 characters.
- **MANAGED** - Jurisdictional level of manager of facility (see code list) (i.e. Federal). Type: Alpha. Size: 1
- **MANAGER** - Jurisdictional classification or name of facility manager (see code list) (i.e. Forest Service). Type: Alpha. Size: 35 characters.

- **Feature source code** - The compilation map or image source used when adding or updating transportation data.

These codes can be found in the associated lookup table listed in Section 4 - Appendix.

- **Feature source date** - The compilation map or image source date used for the addition or update of transportationse data.

  Example: 19990515 (CCYYMMDD = May 15, 1999)

- **Feature source scale number** - Describes the scale denominator of the map or image source for the hydrography watercourse data additions or updates in the database. Exact scale can be input. The density of hydrography features displayed will vary by the base map scale.

  Example: 24000

- **Feature accuracy code** - Describes the positional accuracy of the hydrography watercourse data being added or updated in the database. Describes the correctness of the measurement. Use actual value eg. .001; 3; 100. All units are entered in meters.

Note: States and federal agencies do not seem to be tracking anchor points, but looking at reasons for relevance and importance. Are they necessary for sharing transportation data, or linking transportation framework to hydrography.

Culverts: In addition to the above attributes, culvert core data will include the following. (Note: when fish and hydro data needs are known they will be included):

- **Type** - The shape and material for the culvert. (Eg. Ellipse, concrete). Type: Alpha. Size: 25.
- **Size** - The diameter or area of the culvert. Type: integer. Size: 2.
- **Length** - The length of the structure. Type: integer. Size: 3.

Bridges: In addition to the above attributes, bridge core data will also include the following:

- **NBI** - The code assigned to all bridges and dams under the National Bridge Inventory. Type: Integer. Size: 5

Fish passage and hydrography attributes: In addition to the location information above, these structures will include fisheries and hydrography information as determined by the agency

specialists. This section is a place holder for this information to be attached to the transportation framework information set. This information will then be linked to the hydrography framework as well.

Example:

Fish_Passage – A Y/N field describing whether fish can pass this barrier.
Fish_Species – The species related to fish passage. Code value based on scientific name.